M. A. R. 57 (Rule 116)
Measurement Book

No. B

494171

Serial No. ...St and final Bill

Name of Work ...Emergency Grant from Ward No. 09 (Cavalryamangpung)

Name of Contractor of nature of Agency ...Sri. N. Bhenjathumeri. B/Note-97.

Date of commencement of work ...D.of Receipt: 16-09-2020

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	EST. COST Rs: 2000/- Job code No : 009-00-00002 Head of A/c : P1731 Work order No: BBMP/EE(BTP)/WO)75/2020-21 Dt: 13/08/2020.						
	1) Earth works excavation by manual means in ordinary soil involving an average horizontal lead upto 2 metres and on average.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Lift up to 0.5M, excavated surface levelled and sides neatly dressed, the disposal earth to be levelled neatly. After breaking of clods complete as per specifications.						
	Quantity as per premeasurement Revised						
	vide P.NO. 49/153 TO 49/157 of this MB					= 296.40 cum	
	@Rate Rs = 250.24/cum					= 74171.00	
Item No 7)	Running and refining stone seats of drains and pointing in CM(1:3) Etc. complete as per specification and directions of engineer in charge of the work.						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494172

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Quantity as per Pre-measurement Recorded vide Page No. 155 To 156 of this MB					= 1305.10 Sqm @ Rate Rs. 111.30/Sqm = 145592.00	
	5) providing granite slabs of selected quality roughly dressed having a size of 7.5cms thick and fixed in cement mortar (1:6) including fixing curing etc --						
	6th main canara bank	1	18.00		1.35	= 24.30	
	layout	1	20.00		1.35	= 27.00	

51.30

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	7th main canara bank lgwt	1	22.00		1.35 =	29.70	
		1	18.00		1.35 =	24.30	
		1	15.00		1.35	20.25	
		1	16.00		1.35	21.60	
		1	25.00		1.35	33.75	
		1	25.00		1.35	37.80	
	8th cross canara bank lgwt	1	20.00		1.35	27.00	
		1	30.00		1.35	40.50	
		1	25.00		1.35	33.75	
			Total		=	319.95	
			Limited to tenour lotty =			319.40	
			@ Rate Rs = 748.15 m =			236,995	

Assistant Executive Engineer
Vidyaranyapura Sub Division
268.60

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494173

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4) Scarifying bituminous course 50mm to 75mm thick along with premix carpet/surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges etc —						
	Quantity as per Pre-measurement Revised rate P.NO.15&15S				= 694.30 Sqm		
	-of this MB				@ Rate Rs: 95.40/Sqm = 64385.00		
	5) Providing, laying, spreading and compacting crushed stone aggregate.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	of granite/trap/ bajaut to wet mix macadam Specifications in crushing pre mixing the materials with water at site in mechanical mix plant carriage of mixed material by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface Etc —						
	Quantity as per pre-measurement Record vide P.NO.158 TO 159 and Page NO. 163 of this MB					= 155.10 cum	
						@ Rate Rs.: 17 00/cum	= 2636
item No.6)	Providing and applying primer coat with S.S. bitumen emulsion on						

3

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494174

erial No. .....

ame of Work ..... From..... To.....

ame of Contractor of nature of Agency .....

ate of commencement of work .....

ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.66kg/sqm using mecanical means etc.--						
	Quantity as per measurment Recorded vide P.No 164 to 165						
	= 6744.30 sqm						
	@ Rs: 36.04/sqm					= 243302.00	
7)	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measu.
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	-for base/binding Course including loading of aggregates with F.E. loader hot mix of stone aggregate and bitumen in hot mix plant, transporting the mixed materials in tipper -to paver and laying mixed materials with paver finisher -to the required compute as per specifications etc...						
	Quantity as per pre-measurment of this MB				Recorded vide P.ND. 166 to 167 = 33.70 cum		
					@ Rs: 5551.88/cum	=	187076.1
item 8)	Clearing the existing bleeded topped surface with brooms Soft brushes and tirtary dusting with dry gunny bags and/or						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494175

erial No. .....

ame of Work ..... From..... To.....

ame of Contractor of nature of Agency .....

ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Compressed air to receptacle bituminous complete as per specification etc.. quantity as per pre-measurement of this MB				Recorded vide p. No. 168 to 169 = 1926.60 Sqm @ Rs: 5.30/Sqm	= 10211.00	
	9) providing and applying tack coat using 80/100 grade bitumen (VG 10) on the prepared black topped surface at 2.5 kg per 10 Sqm heating bitumen in boiler fitted with spray set etc.—						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Remarks / Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Quantity vide item no. 8					= 1986.00 Sqm	
				@ Rs: 13.00/Sqm		= Rs 25846.00	
Item (d)	providing and laying bituminous concrete 40mm thick with hot mix plant. using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site etc—						
	for main carona boundary at RD	1	30.00	$\frac{(4.8+4.3)}{2}$	0.04	5.46	
		1	30.00	$\frac{(4.3+4.1)}{2}$	0.04	5.04	
		1	30.00	$\frac{(4.1+4.6)}{2}$	0.04	5.34	
						15.84	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494176

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	7th main layout R1S C&F.C. @ 21/09	1	30.00	$\frac{4.8+5.4}{2}$	0.04	6.12	
		1	30.00	$\frac{5.4+5.5}{2}$	0.04	0.65	
		1	30.00	$\frac{5.6+4.7}{2}$	0.04	6.18	
		1	30.00	$\frac{4.7+4.8}{2}$	0.04	5.70	
		1	30.00	$\frac{4.8+5.0}{2}$	0.04	5.88	
		1	30.00	$\frac{5+5.8}{2}$	0.04	6.46	
		1	3.30	$\frac{5.8+5.8}{2}$	0.04	0.77	

31.79

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	M
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	8th Cross canara bank ground	1	30.00	$\frac{6+7.1}{2}$	0.04	6.80	
	C/F.C. 21/09	1	30.00	$\frac{4.17+4.5}{2}$	0.04	5.34	
		1	25.00	$\frac{4.8+5.8}{2}$	0.04	5.30	
	8th main canara bank ground	1	30.00	$\frac{7.4+7.4}{2}$	0.04	8.88	
		1	12.60	$\frac{7.4+7.0}{2}$	0.04 (29.45)	3.63	
				Total cubic	=	77.09 cum	
					=	77.06 cum	
	limited to 77 cubic						
				@ Rs: 6900.00/cum	=	531714	

Assistant Executive
Vidyaranyapura
BBMP

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494177

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1) Road marking with HOT Applied Thermoplastic compound with Retroreflecting Glass Beads on Bituminous surface: providing and laying of hot applied thermoplastic compound 2.5 mm thick including Retroreflecting glass beads etc.———						
	6th main canara bank layout	2	30.00	0.10		= 6.00	
		2	30.00	0.10		6.00	
		2	30.00	0.10		6.00	
		2	30.00	0.10		6.00	
		2	3.00	0.10		6.00	
						30	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	7M main canara Bank ground	2	30.00	0.10	:	6.00	
		2	30.00	0.10	=	6.00	
		2	30.00	0.10	=	6.00	
		2	30.00	0.10	=	6.00	
		2	3.30	0.10	=	0.66	
	8M cross canara bank ground	2	30.00	0.10	=	6.00	
		2	30.00	0.10	=	6.00	
		2	25.00	0.10	:	5.00	
		2	7.00	0.10	43.06 =	1.40	
			total qty		=	67.66 Sqm	
			Untreated total qty		=	67.60 Sqm	
			@ Rs 240.00/ Sqm		=	16224	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore

73.60

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494178

erial No. .....

ame of Work ..... From..... To.....

ame of Contractor of nature of Agency .....

ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	15) Supply and fixing of Retro Reflective Single Arrow Road name sign board of size 1600mm x 900mm made out of retro reflective sheeting conforming to Type XI Standards of ASTM D4956-04 and as per IRC 67-2012 for full black ground of blue colour and white lettering etc.-						
		1	0.75	1.20	=	0.90	
		1	0.75	1.20	=	0.90	
		1	0.75	1.20	=	0.90	
		1	0.75	1.20	=	0.90	
		1	0.75	1.20	=	0.90	

4.5

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Total Quantity =					4.50 Sqm	
	@ Rs: 14000.00/ Sqm					=	63000.00
	Sub Total Amount					=	16,76,329.00
	GST @ 18%					=	1,91,079.00
	Grand Total					=	18,39,408.00
							18,39,000/-
						16/09/2020	
	Certificate:-						
	1) Certified that the above work done satisfactory						
	2) NO materials issued from department.						
						16/09/2020	

Assistant Executive Engineer
Yelahanka Sub Division
BBMP, Bangalore

M. A. R. 57 (Rule 116)
Measurement Book

No. B

491179

erial No. .....

ame of Work ..... From..... To.....

lame of Contractor of nature of Agency .....

ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Canara Bank Layout.					N.	
	5th main Road						
	6th main Road	123.00m					
	7th main Road			123.30m			
	8th Cross			85.00m			

INDEX:

Asphalt Road

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP

16/9

1st & final

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	ಲಿಕ್ಕಶೀರ್ಷಿಕೆ P1771 - POW ರಡಿ		TTB:	1839000		
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 1839000/- ಗಳನ್ನು ಪಾಸು ಮಾಡಿದೆ.		I+	1839 0		
	ಇದರಲ್ಲಿ ರೂ. 93000/- ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ		CGST	16420		
	ಮಾಡಿಕೊಂಡು ರೂ 1746000/- ಗಳನ್ನು		SGST	16420		
			CESS	18390		
	FT/NEFT/RTGS ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ		CBF	1839		
			LR	21541		
	ಸಹಾಯಕ ಲೆಕ್ಕಾಧಿಕಾರಿ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು		Ded:	93000		
	ವಿಷಯ ಲೆಕ್ಕಾಧಿಕಾರಿಗಳು ಬ್ಯಾಬರಾಯನಪುರ ವಿಭಾಗ		Chqnr	1746000		
	ನಿರ್ವಾಹಕರು ಬ್ಯಾಬರಾಯನಪುರ ವಿಭಾಗ ಬೆಂಗಳೂರು ಬೃ.ಬೆ.ಮ.ಪಾ. ಬೆಂಗಳೂರು					
	21/9/20					